

Title (en)
AN ATTITUDE SENSOR

Title (de)
LAGESENSOR

Title (fr)
CAPTEUR D'ORIENTATION

Publication
EP 1466138 B1 20090429 (EN)

Application
EP 03731740 A 20030108

Priority
• GB 0300035 W 20030108
• GB 0201162 A 20020118

Abstract (en)
[origin: GB2384313A] An attitude sensing device 400 and method for determining an attitude of a reference axis of a package 50 containing a fibre optic sensor. The attitude sensing device comprises an electro-mechanical attitude sensor 430 for generating an electrical signal indicative of the attitude of that attitude sensor, and converter logic for converting the electrical signal into a stimulus signal. A local power source 410 is preferably provided for the electro-mechanical attitude sensor in the converter logic. The stimulus signal is such that the fibre optic sensor 200, 300 is responsive to the stimulus signal to cause a variation in at least one predetermined property of an optical signal transmitted through the fibre optic sensor, the attitude of the reference axis being determinable from the variation of the predetermined property. By this approach, it is possible to use the existing fibre optic sensor within the package, along with the corresponding existing telemetry and multiplexing system, to recover the information from the electro-mechanical attitude sensor.

IPC 8 full level
G01C 9/00 (2006.01); **G01C 21/00** (2006.01); **G01C 23/00** (2006.01); **G01V 1/20** (2006.01); **G01V 1/38** (2006.01)

CPC (source: EP US)
G01C 9/00 (2013.01 - EP US); **G01V 1/20** (2013.01 - EP US); **G01V 1/3835** (2013.01 - EP US)

Cited by
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DE FR GB

DOCDB simple family (publication)
GB 0201162 D0 20020306; **GB 2384313 A 20030723**; DE 60327418 D1 20090610; EP 1466138 A1 20041013; EP 1466138 B1 20090429; US 2005120796 A1 20050609; US 7021146 B2 20060404; WO 03062750 A1 20030731

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